

FIG. 1A

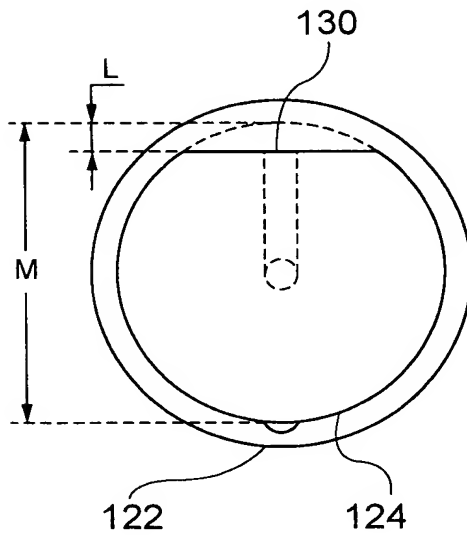


FIG. 1B

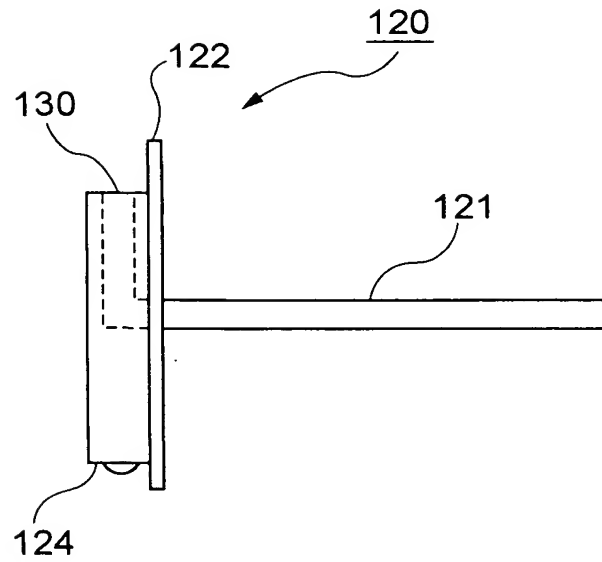


FIG. 2

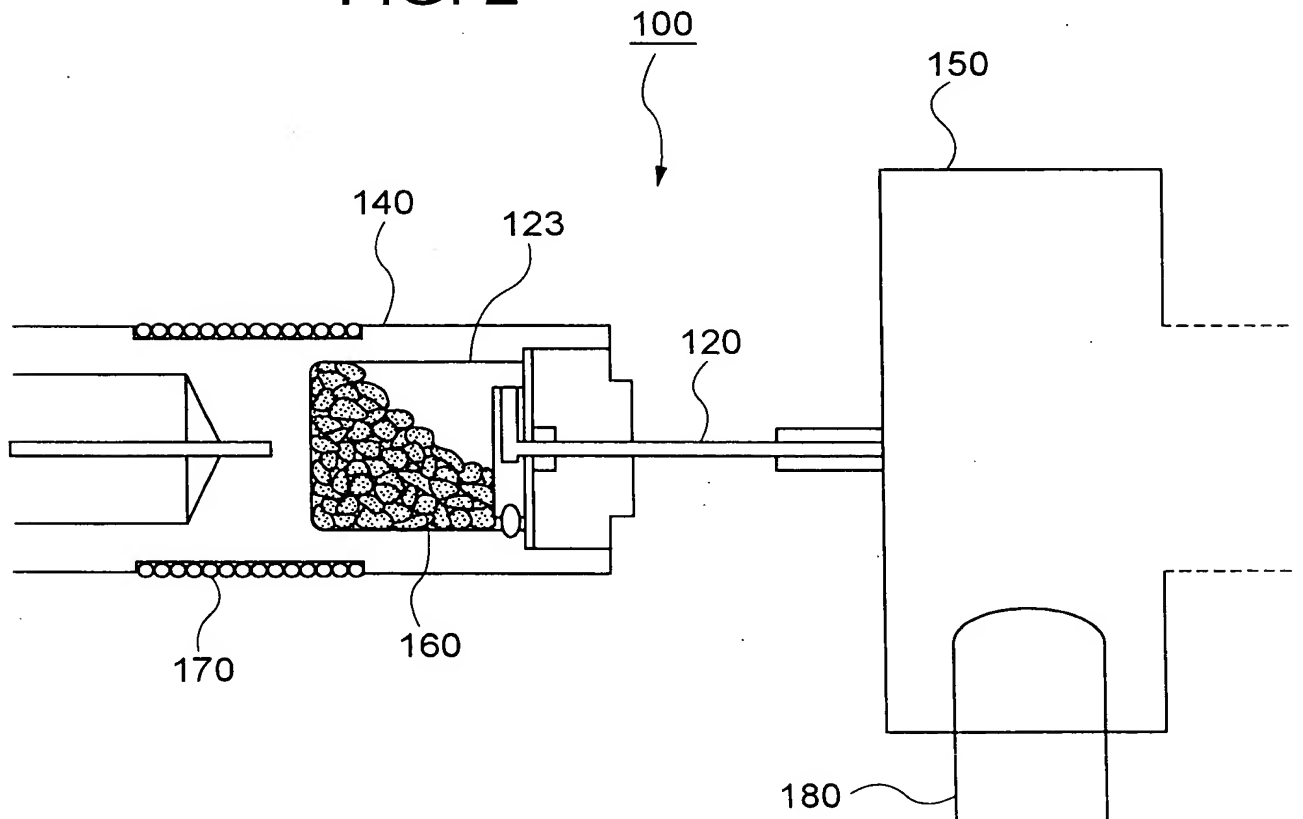


FIG. 3A

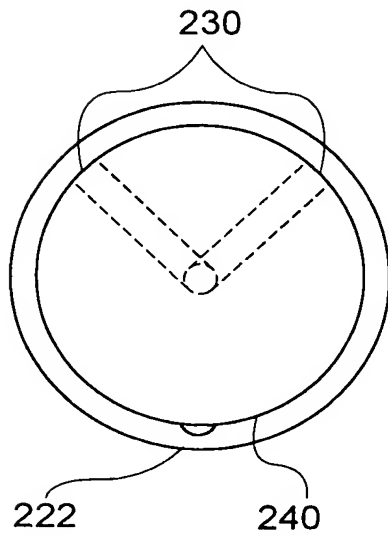


FIG. 3B

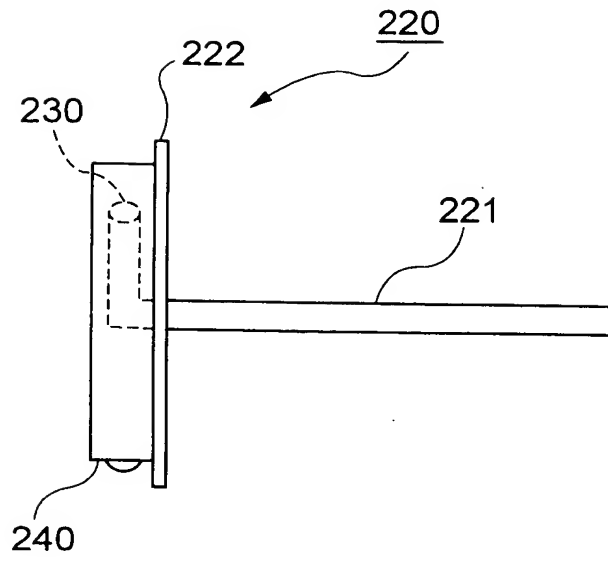


FIG. 4

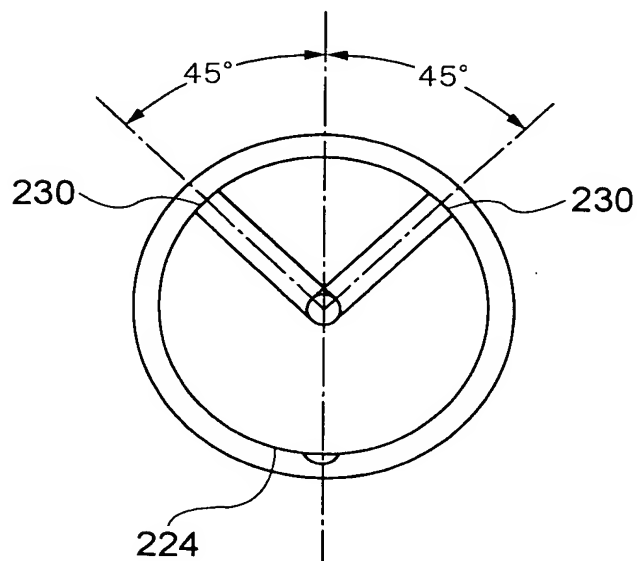


FIG. 5

L (mm)	HEATER TEMPERATURE (°C)	BEAM CURRENT (mA)	NOTES
0	368	7.24	ARSENIC BURNED ON BACK SURFACE OF NOZZLE
0.6	312	8.42	THOUGH BEAM AMOUNT IS STABLE UPON INITIATION, BEAM CURRENT IS NOT STABLE AS THE AMOUNT OF ARSENIC IN CRUCIBLE IS DECREASED.
1.0	318	8.16	STABLE BEAM CURRENT
1.1	318	8.96	STABLE BEAM CURRENT
1.4	307	10.00	INSTABLE BEAM CURRENT

FIG. 6A

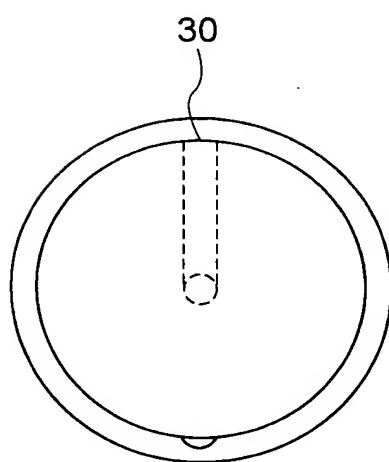


FIG. 6B

